

USAMRIID INCIDENTS IN BSL-3 & 4 Laboratories: 2011, 2012, and 2013

	BSL-3			BSL-4		
Incident Type	2011	2012	2013	2011	2012	2013
Occupational Illness	0	0	0	0	0	0
Biological Spill/Leak within Laboratory	11 ⁽⁵⁾	2 ⁽²⁾	7 ⁽⁷⁾	0	0	0
Chemical Leak or Spill	4 ⁽⁰⁾	0	0	0	0	0
Positive Pressure Encapsulating Suit (non-glove) Mishap	0	0	0	9 ⁽¹⁾	14 ⁽⁶⁾	20 ⁽⁰⁾
Positive Pressure Encapsulating Suit - Glove Mishap	0	0	0	16 ⁽⁰⁾	16 ⁽⁰⁾	17 ⁽⁰⁾
Equipment Malfunction (Does not include Positive Pressure Encapsulating Suit/Glove Mishaps)	3 ⁽²⁾	1 ⁽⁰⁾	3 ⁽¹⁾	2 ⁽⁰⁾	0	0
Splash – Potential Skin Contact (Includes all biologicals)	2 ⁽¹⁾	0	0	0	0	0
Contusions/Abrasions	1 ⁽⁰⁾	2 ⁽⁰⁾	3 ⁽¹⁾	1 ⁽⁰⁾	0	0
Burn (Includes thermal and electrical)	0	0	0	0	0	0
Lifting/Bending	1 ⁽⁰⁾	1 ⁽⁰⁾	0	0	0	0
Lacerations	8 ⁽¹⁾	1 ⁽⁰⁾	1 ⁽⁰⁾	1 ⁽⁰⁾	0	0
Needlestick	1 ⁽⁰⁾	0	0	0	0	0
Slips/Trips/Falls	1 ⁽⁰⁾	0	0	1 ⁽⁰⁾	0	0
Animal Bite	0	1 ⁽⁰⁾	0	0	0	0
Animal Scratch	0	1 ⁽⁰⁾	0	0	0	0
Miscellaneous	0	0	0	0	0	1 ⁽⁰⁾
Total:	32 ⁽⁹⁾	9 ⁽²⁾	14 ⁽⁹⁾	30 ⁽¹⁾	30 ⁽⁶⁾	38 ⁽⁰⁾

For entries where a number is followed by a superscript, or smaller number in parentheses (#), this represents the total number of incidents for that category, followed by the number of incidents within that category that were assessed as Potential Biological Exposures. A superscript of zero indicates there were no PBEs for that category. A Potential Biological Exposure means that there was some risk of exposure to infectious agents and/or toxins, and that the personnel involved were placed on medical surveillance as a precaution. In all of these cases, no symptoms were reported and there were no signs of disease resulting from these incidents.

Occupational illness

Non-traumatic physiological harm or loss of capacity produced by systemic infection; continued or repeated stress or strain (For example, exposure to toxins, poisons, fumes); or other continued and repeated exposures to conditions of the work environment over a long period of time. Includes any abnormal physical or psychological condition or disorder resulting from an injury, caused by long-or short-term exposure to chemical, biological, or physical agents associated with the occupational environment.

(Source: Department of Army Pamphlet 385-40 Army Accident Investigations and Reporting)

Biological Spill/Leak within Laboratory

Accidental spills or leaks of any biological material within a laboratory. This includes dropped tissue culture plates.

(Source: USAMRIID Safety Division)

Equipment Malfunction

Equipment malfunctions that prompt involved personnel to seek evaluation by medical staff. Equipment includes all engineering controls and personal protective equipment, with the exception of positive pressure encapsulating suit/glove mishaps. (Source: USAMRIID Safety Division)

Contusions/Abrasions

This type includes injuries caused by a pinch/struck against or by an object/rubs or abrasions. (Source: USAMRIID Safety Division)

Burn

All electrical and thermal burns. (Source: USAMRIID Safety Division)

Lacerations

Skin/eye lacerations that are caused by any type of sharp object. (Source: USAMRIID Safety Division)